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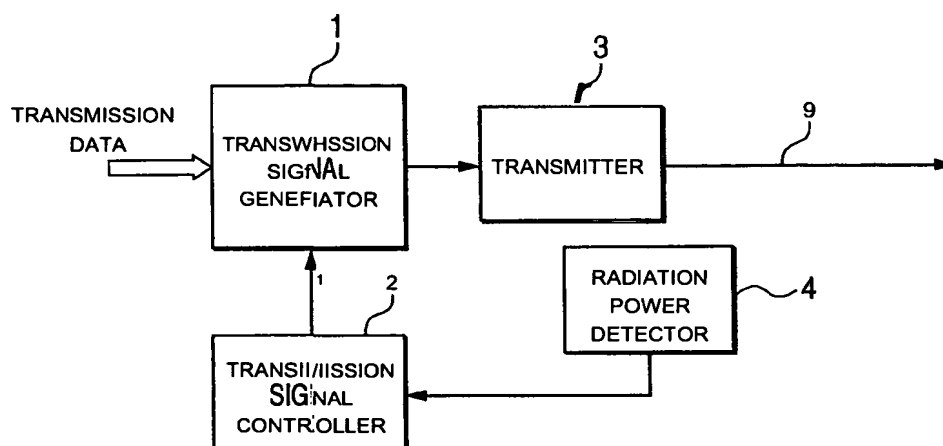
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(54) Title: MULTICARRIER COMMUNICATION APPARATUS, SYSTEM AND METHOD WITH REDUCED RADIATION
POWER



(57) Abstract: It is an object of the invention to provide a communication apparatus, a communication system and a communica-
tion method enabling efficient transmission in accordance with a situation of a wired transmission line and capable of reducing an
influence by a radiation power of the transmission line. The communication apparatus of the invention executes wired transmission
using a plurality of sub carriers and includes a transmission signal generator for generating a transmission signal, and a transmission
signal controller for controlling a transmission power of the transmission signal generated by the transmission signal generator based
on a radiation power in a transmission line in correspondence with a frequency of the sub carrier, and a transmitter for transmitting
the transmission signal the transmission power of which is controlled by the transmission signal controller via the transmission line.

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